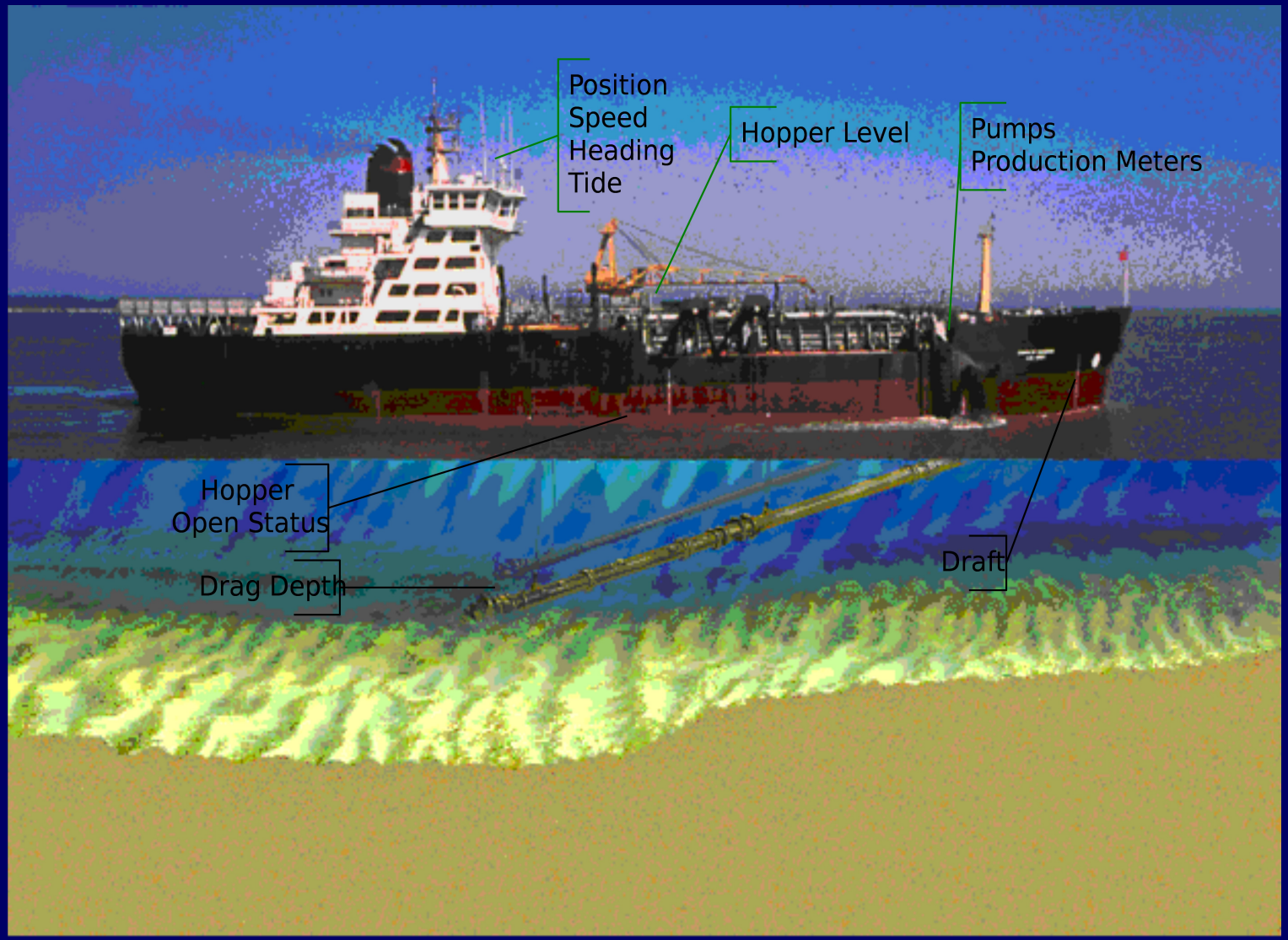
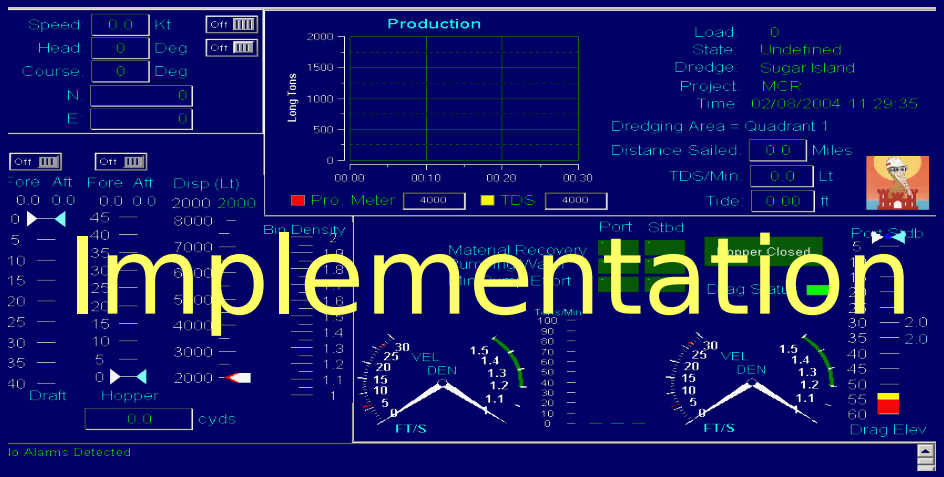
Silent Inspector National Implementation

- Proposed National Business Process
- Impacts on Contracting and Quality Assurance
- SI role in Current Stakeholder Issues
- New Certification Process

Hopper SI Measurements

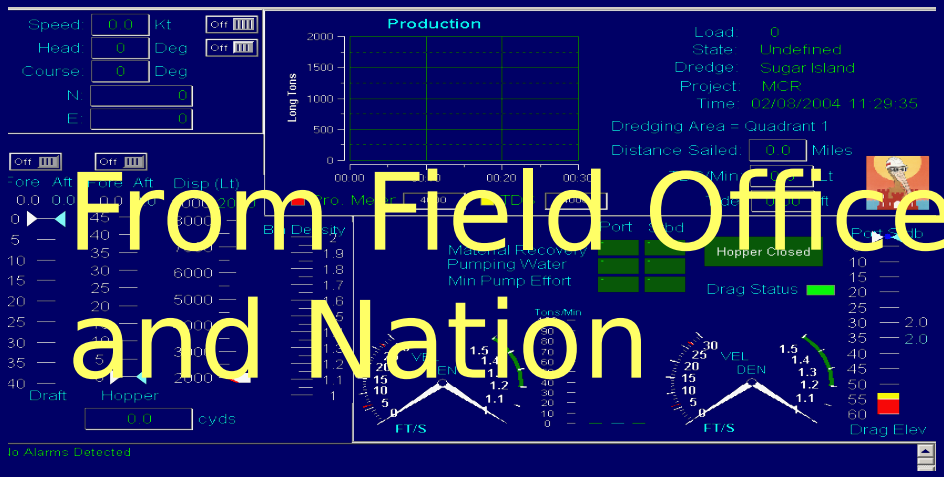




Implementation Principles

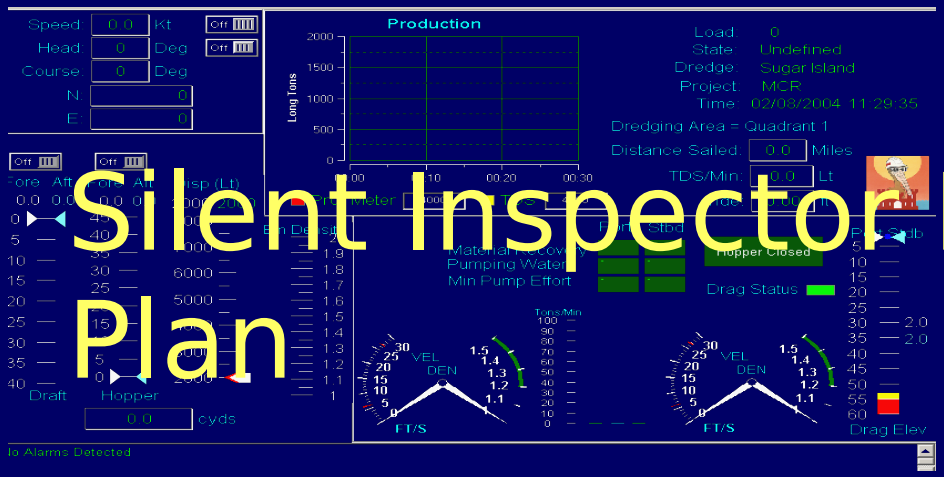
- Partnership with Dredging Industry
- Report the Contractor's Data
- Performance based specification
- Rigorous Data Quality Assurance

From Field Office to Region and Nation



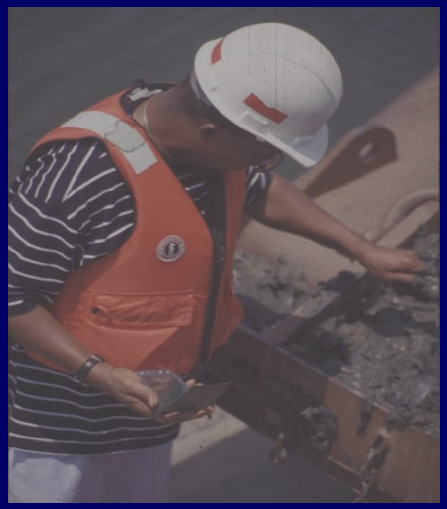
- Field Office
  - Payment
  - Environmental Compliance
  - Reduced QAR manpower
- Regional & National
  - Threatened & Endangered Species
  - Overdepth dredging
  - EPA & MMS compliance monitoring
  - Regional Sediment Management

Silent Inspector Business Plan



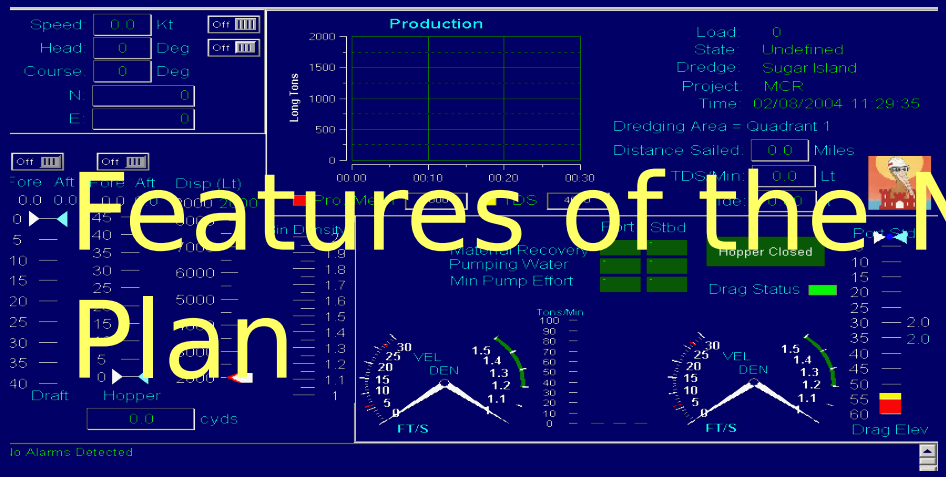
- National Always-On automated dredge monitoring
- National Operations Support team
- Evolve with 2012 Team of Teams
- Operations Improvements
  - Include smaller contracts & districts
  - Transition support from R&D
  - Decision Support
  - eGIS integration

Business Plan -

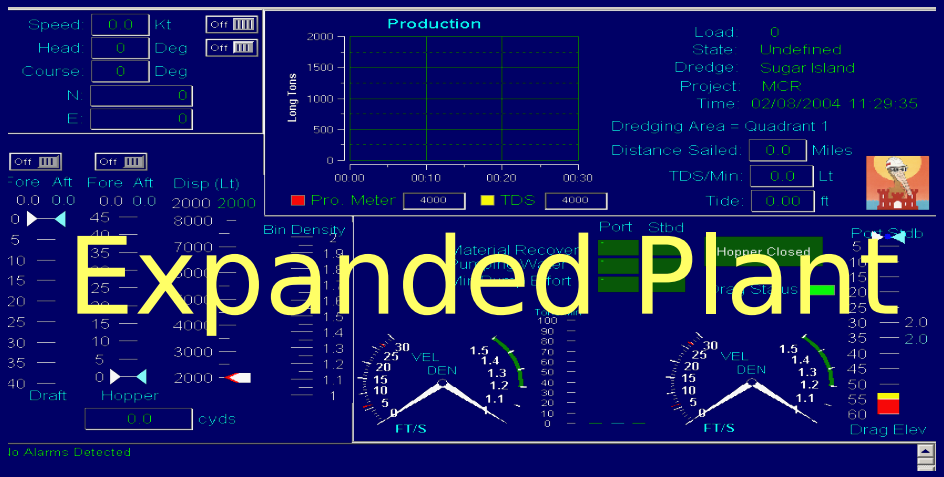


Function	Oversight & Funding
Routine Operations, Support & Training	HQOP (funding) SAMOP
R&D for continuous improvement	ERDC - DOER
Virtual Team of Teams	Board of Directors

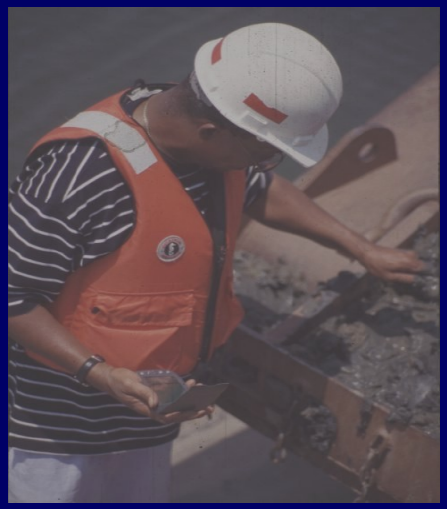
Features of the National Plan



- Expanded Project Monitoring
- Include Regulatory
- Expanded Dredge types
- Simplify Dredge SI Certification
- Centralized Support under Operations
- Regional & National Stakeholders

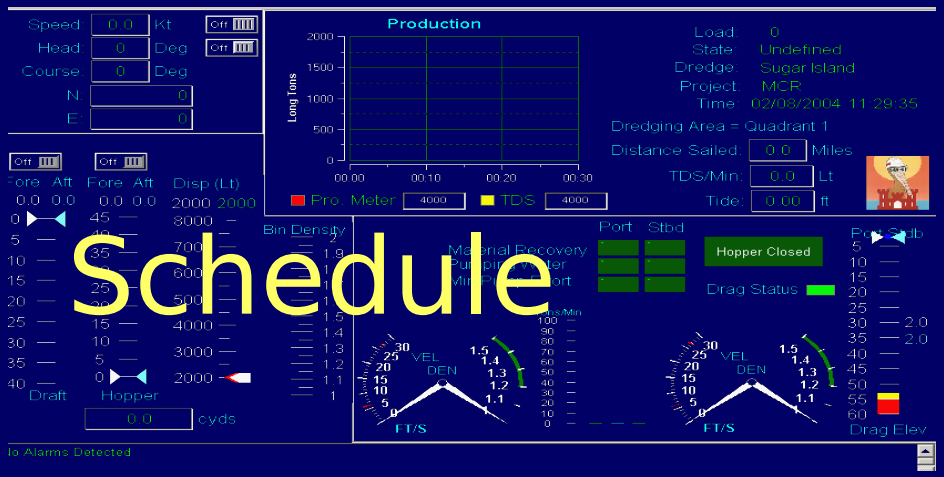


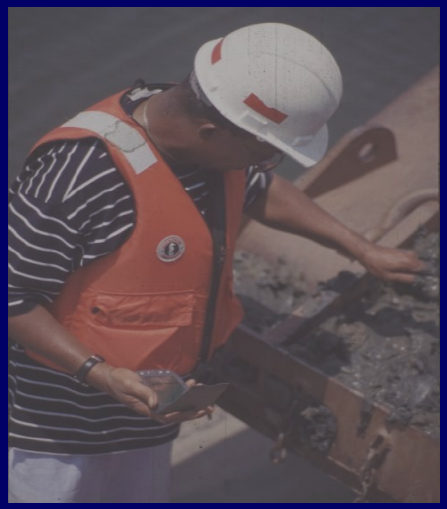
Expanded Plant



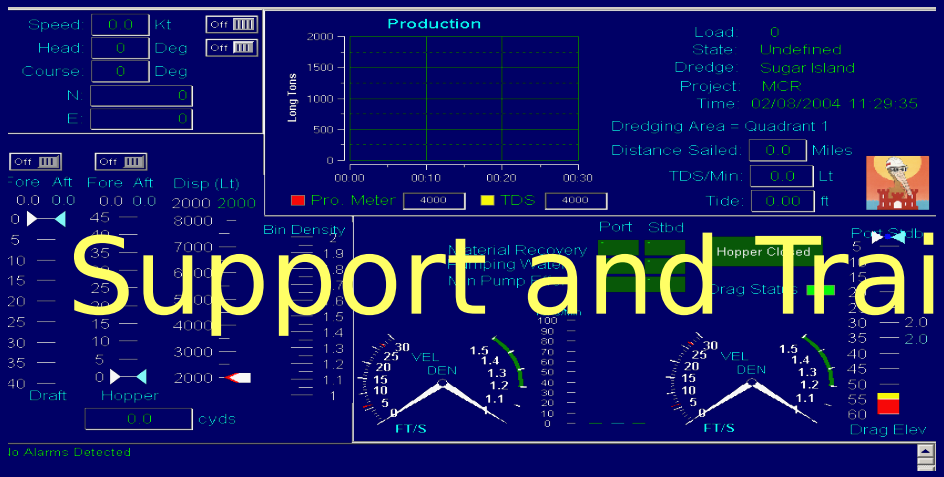
- All Hoppers
  - Include all Government Hoppers
- All Scows
  - Minimum of Tracking Profile
  - Monitoring or TDS Profile specified by ODMP
- Pipelines > 30”, + *Goetz* & *Oregon*
- Mechanical dredges TBD

Schedule

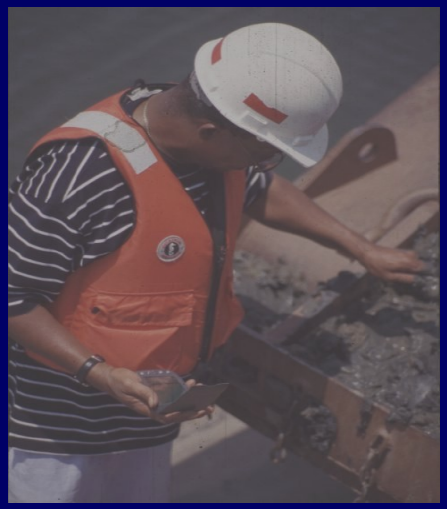




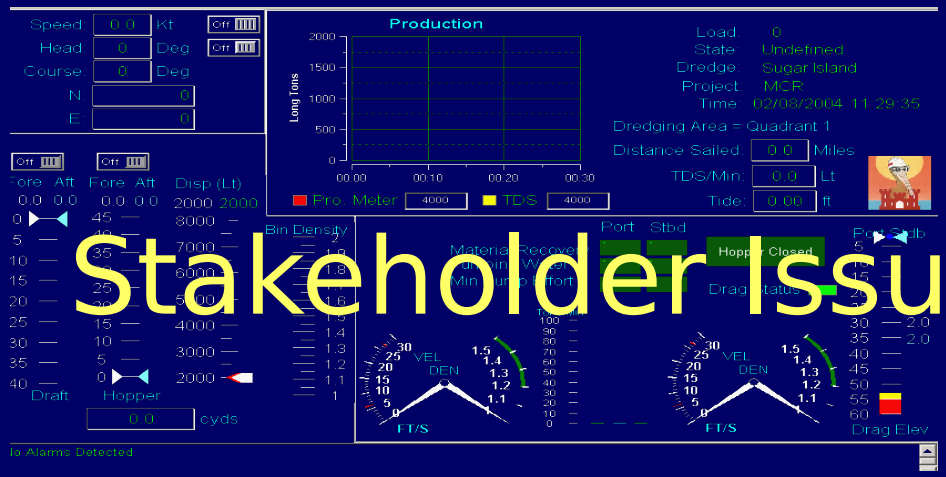
FY	2006	2007	2008	2009
Hopper	Always-on	Always-on	Always-on	Always-on
Scow	Always-on	Always-on	Always-on	Always-on
Pipeline	Goetz, Oregon	4 – > 30in	All > 30”	All > 18”
Mechanical	TBD	TBD	TBD	TBD



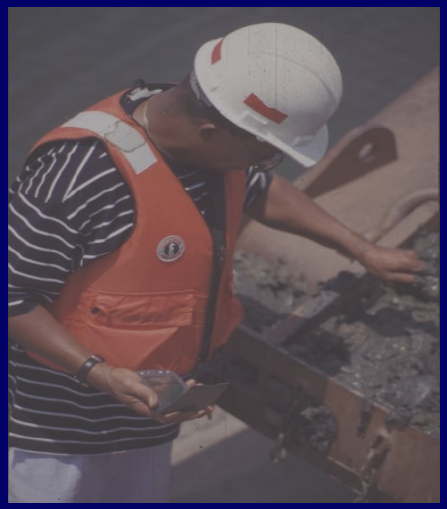
Support and Training



- Resourced by National Team
- Regional/Division training
- Integrate with QAR course
- Central Support team under Mobile District Operations
- Database Maintenance

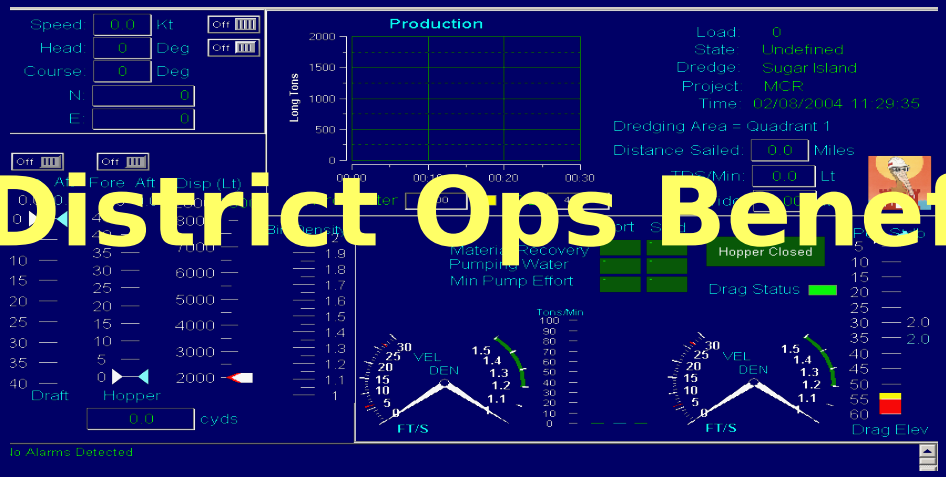


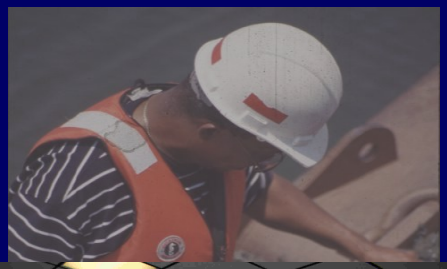
Stakeholder Issues



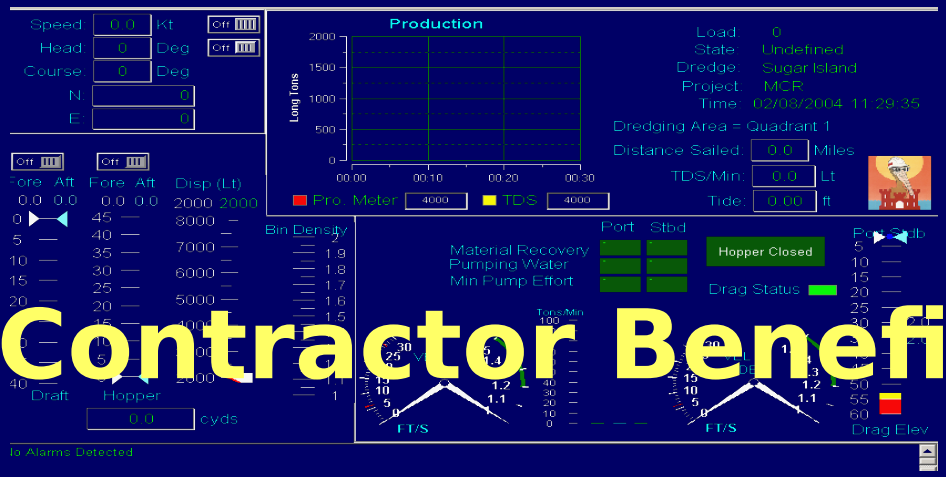
- T&E – Turtles & Sturgeon
- Overdepth
- Open Water Disposal Monitoring
- Emergency Response Rentals
- Regionalization
- eGIS, eCoastal, RSM integration
- Decision Support – DODSS

District Ops Benefits

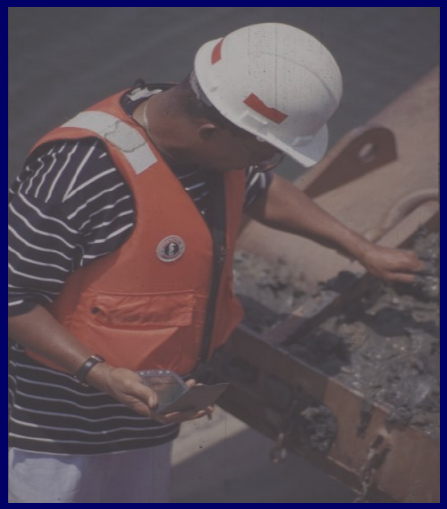




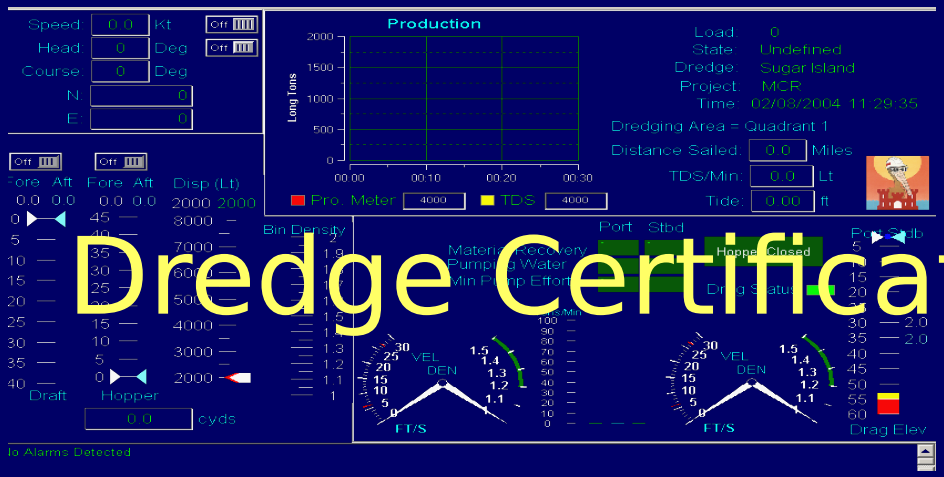
- No certification management
- Reduced SI reimbursable costs
- Simplify dredge rescheduling & swapping
- Cover small and short duration contracts.

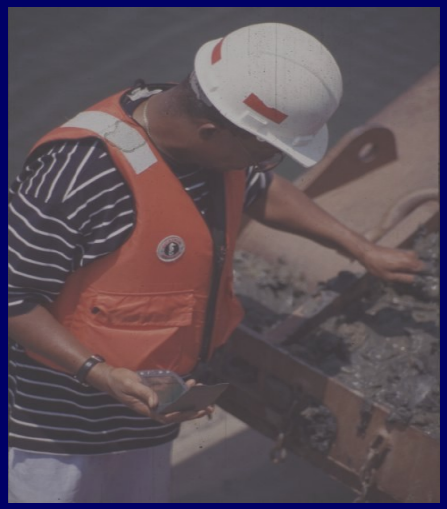


Contractor Benefits



- Standard dredge monitoring specifications for all Districts
- National portable certification
- Scheduled certification inspections
- Always-on in transit will reduce new work start-up time

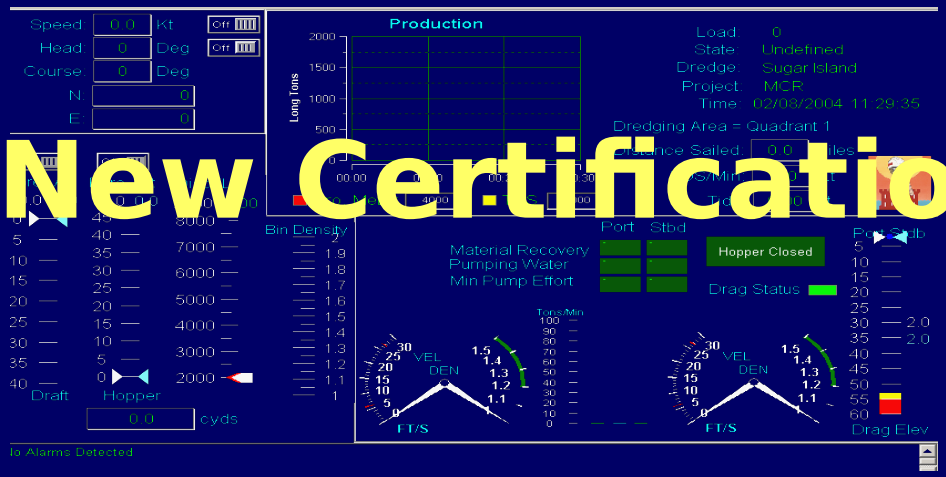




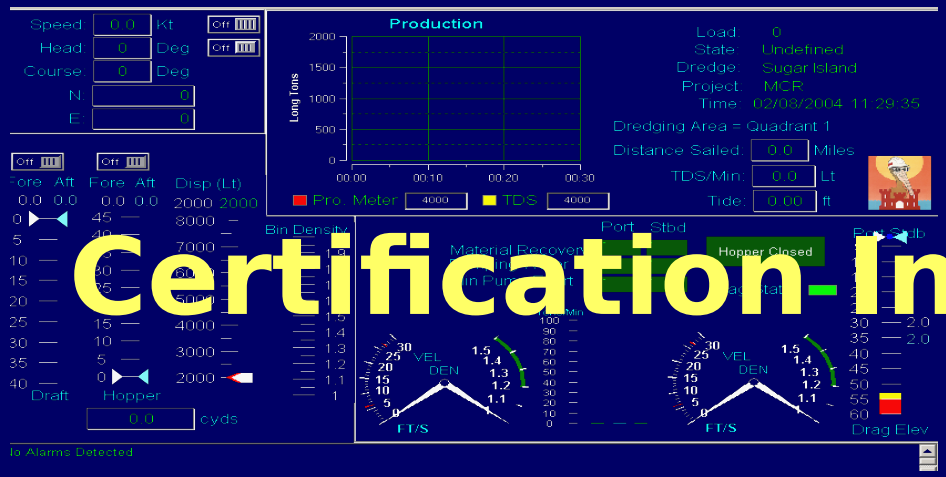
Dredge Certification

- Current Process
  - Certification Inspection by SI QA engineer
  - Letter from District CO
  - Not strictly transferable
  - No Continuing Control
- New Process
  - Inspection w/o contract
  - National Certification Letter
  - Web page with Certification list
  - Resourced by National team

New Certification Process



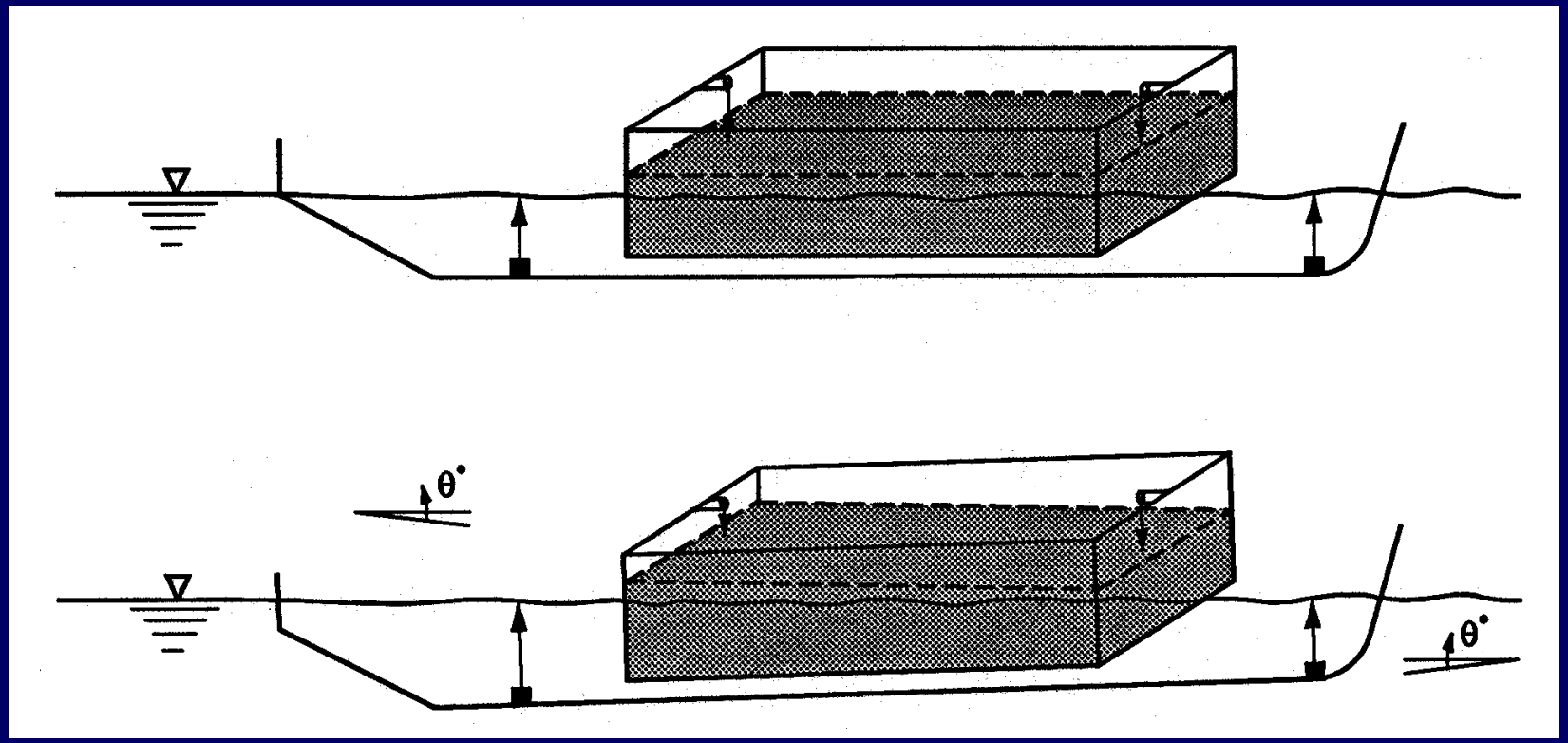
- National certification valid in all districts
- Annual Certification inspections
- Interim re-inspection:
  - major ship overhauls
  - changes to the sensor or computer system,



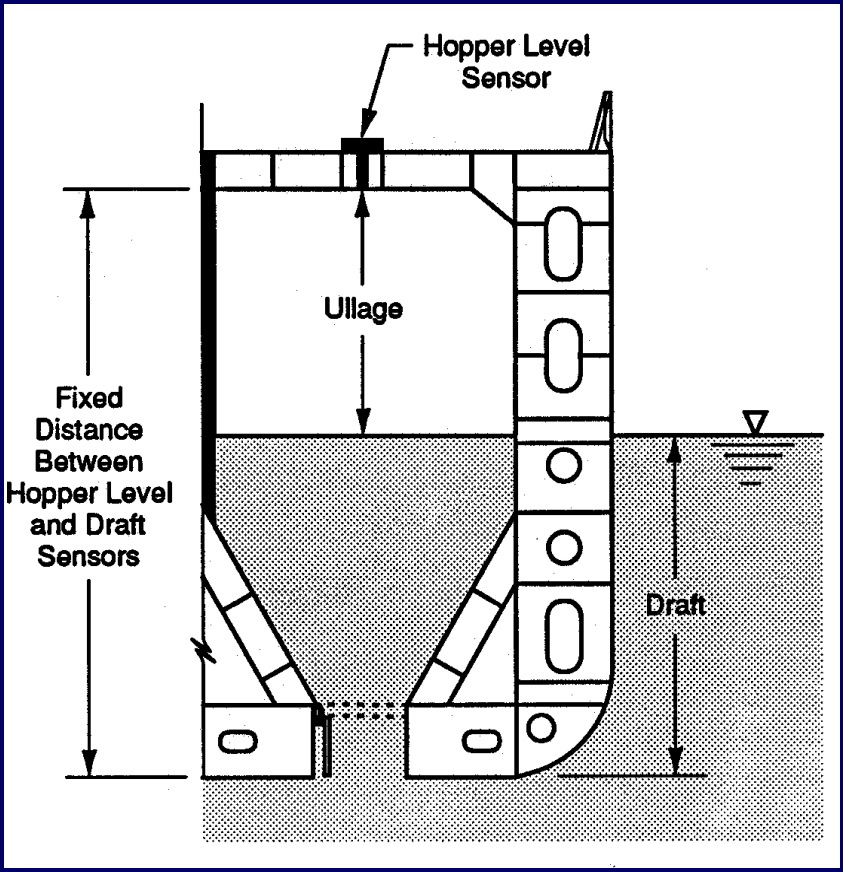
Certification Inspection

- Dredge Plant Instrumentation Plan (DPIP) Review
- Onboard hardware, software, and data inspection
- Draft Check
- Ullage Check
- Draghead Depth Check
- Watertest

National SI Support Team
QA Procedures
Trim-Trim Check

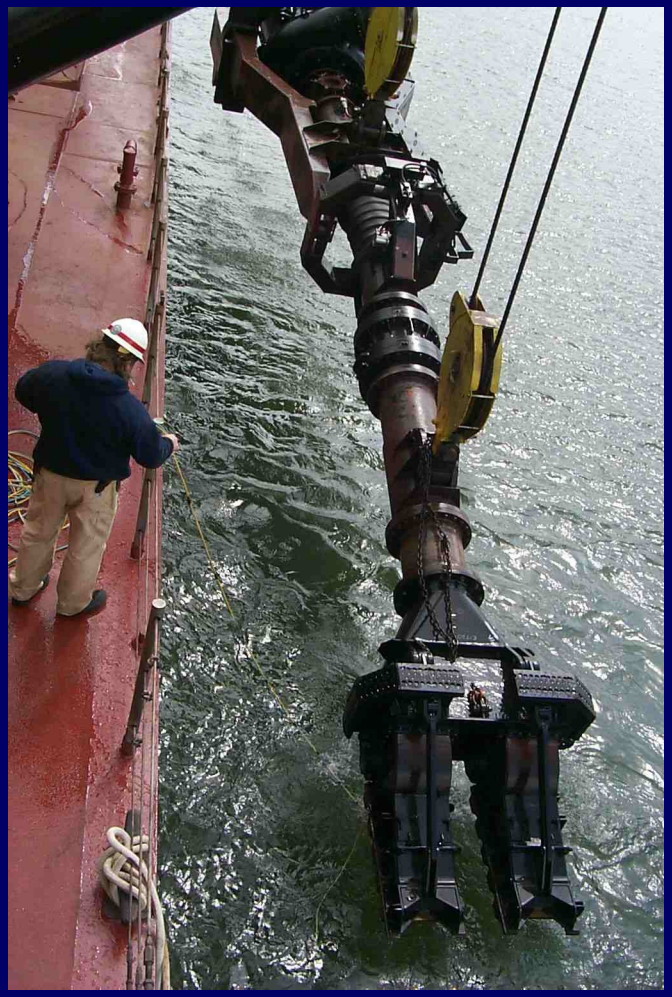


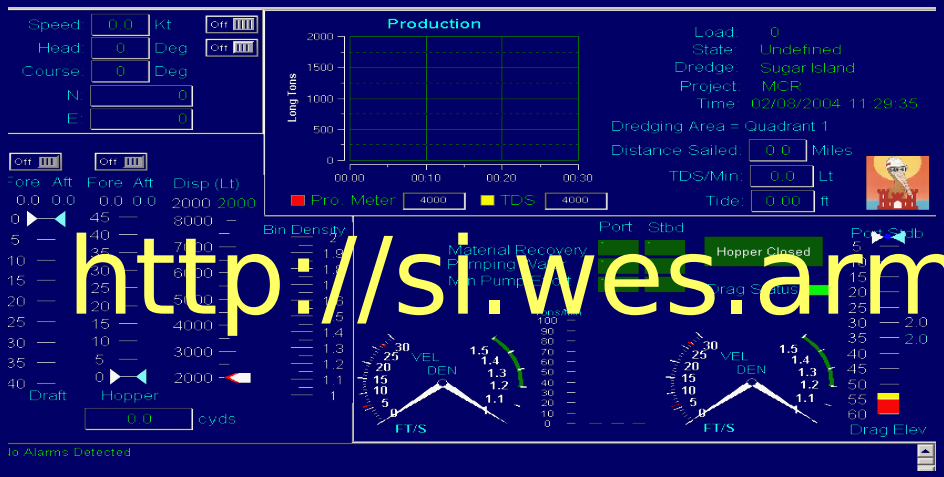
National SI Support Team
QA Procedures
Relative Water Level Check



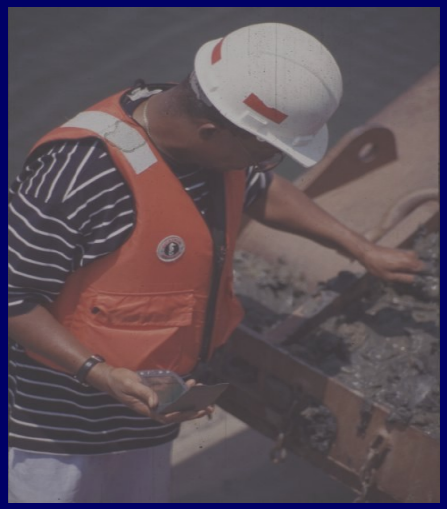
Draghead Depth Checks

- Draghead depth checks will be required at the beginning of each new project and once a month thereafter.





http://si.wes.army.mil/



- Gary Howell – 601-634-2006
- James (Jay) Rosati – 601-634-2022
- Tim Welp – 601-634-2083
- Rhonda Lenoir – 601-634-2923